

ring nodes :

1 2 3 4 5 6 7 8 9

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom

L1 STRUCTURE UPLOADED

=> s l1 sss sam

SAMPLE SEARCH INITIATED 09:36:27 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 09:36:30 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 31 TO ITERATE

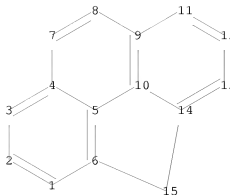
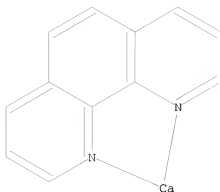
100.0% PROCESSED 31 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 6-15 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14 14-15

exact/norm bonds :

6-15 14-15

normalized bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom
15:Atom

L4 STRUCTURE UPLOADED

=> s 14 sss full

FULL SEARCH INITIATED 09:38:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 85 TO ITERATE

100.0% PROCESSED 85 ITERATIONS

73 ANSWERS

SEARCH TIME: 00.00.01

L5 73 SEA SSS FUL L4

=> s 15 and py<=2003

'2003' NOT A VALID FIELD CODE

0 PY<=2003

L6 0 L5 AND PY<=2003

=> s 15

L7 41 L5

=> s 17 and py<=2003

24009846 PY<=2003

L8 28 L7 AND PY<=2003

=> d 18 1-28 ibib hitstr

L8 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2008 ACS ON STN

Title

Mixed ligand complexes of alkaline earth metal chelates of thiosalicylic acid, o-amino thiophenol, 8-mercapto quinoline with 1,10-phenanthroline

Author/Inventor

Prakash, D.; Singh, R. N.; Kumari, Sushma; Suman, Ram Pravesh
 Patent Assignee/Corporate Source
 Department of Chemistry, Patna University, Patna, 800 005, India
 Source
 Oriental Journal of Chemistry (2003), 19(3), 633-636 CODEN: OJCHEG; ISSN: 0970-020X
 Document Type
 Journal
 Language
 English

L8 ANSWER 2 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 Title

Organic electroluminescent device and method of its preparation
 Author/Inventor
 Kambe, Emiko; Shinkai, Masahiro
 Patent Assignee/Corporate Source
 TDK Corporation, Japan
 Source

Eur. Pat. Appl., 38 pp. CODEN: EPXXDW
 Document Type
 Patent
 Language
 English

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1285957	A2	20030226	EP 2002-18381	20020814

Patent Number (1)
 EP 1285957
 Kind Code (1)
 A2
 Patent Publication Date (1)
 20030226
 Application Number (1)
 EP 2002-18381
 Application Date (1)
 20020814
 Priority Patent Number (1)
 JP 2001-249456
 Priority Kind Code (1)
 A
 Priority Patent Publication Date (1)
 20010820

L8 ANSWER 3 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
 A new cyano-bridged Ca(II)-Fe(III) complex containing both molecular square and linear trimetallic species
 Author/Inventor
 Datta, Amitabha; Golzar Hossain, G. M.; Karan, Nirmal Kumar; Abdul Malik, K. M.; Mitra, Samiran
 Patent Assignee/Corporate Source
 Department of Chemistry, Jadavpur University, Kolkata, 700032, India
 Source
 Inorganic Chemistry Communications (2003), 6(3), 266-269 CODEN: ICCOFP; ISSN: 1387-7003
 Document Type
 Journal
 Language
 English

L8 ANSWER 4 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
 Determination of DBM in some rare earth (RE) mixed complexes by spectrophotometric methods
 Author/Inventor
 Le, Chi Kien; Nguyen, Hoa Du
 Patent Assignee/Corporate Source
 College of Natural Science, Vietnam National University, Ha Noi, Vietnam
 Source
 Tap Chi Phan Tich Hoa, Ly Va Sinh Hoc (2002), 7(1), 24-28 CODEN: TCPTAH
 Document Type
 Journal
 Language
 Vietnamese

L8 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title A novel trinuclear cyano-bridged calcium(II)-iron(III) complex; [(phen)2(H2O)2CaNC(NC)4FeCNCa(OH)2(Phen)2NO3]·H 2O

Author/Inventor Datta, Amitabha; Karan, Nirmal Kumar; Mitra, Samiran; Tiekink, Edward R. T.

Patent Assignee/Corporate Source Department of Chemistry, Jadavpur University, Calcutta, 700032, India

Source Polyhedron (2002), 21(22), 2237-2241 CODEN: PLYHDE; ISSN: 0277-5387

Document Type Journal

Language English

L8 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title Relative Binding Energies of Gas-Phase Pyridyl Ligand/Metal Complexes by Energy-Variable Collisionally Activated Dissociation in a Quadrupole Ion Trap

Author/Inventor Satterfield, Mary; Brodbett, Jennifer S.

Patent Assignee/Corporate Source Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX, 78712, USA

Source Inorganic Chemistry (2001), 40(21), 5393-5400 CODEN: INOCAJ; ISSN: 0020-1669

Document Type Journal

Language English

L8 ANSWER 7 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title Exhibition of a synergistic effect in the sublimation of alkaline earth and magnesium dipivaloylmethanates

Author/Inventor Kuz'mina, N. P.; Soboleva, I. E.; Martynenko, L. I.; Malkerova, I. P.; Alkhanyan, A. S.

Patent Assignee/Corporate Source Mosk. Gos. Univ. im. M.V. Lomonosova, Moscow, Russia

Source Zhurnal Neorganicheskoi Khimii (1999), 44(9), 1438-1443 CODEN: ZNOKAQ; ISSN: 0044-457X

Document Type Journal

Language Russian

L8 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title Copper and calcium complexes with the anionic O2-donor 4-tert-butylacetyl-3-methyl-1-phenylpyrazol-5-onato (Q-). Influence of hydrogen-bond interactions on lattice architecture in the crystal structures of [CuQ2(H2O)] and [CaQ2(EtOH)2]

Author/Inventor Marchetti, Fabio; Pettinari, Claudio; Cingolani, Augusto; Leonesi, Dante; Drozdov, Andrei; Troyanov, Sergei I.

Patent Assignee/Corporate Source Dipartimento di Scienze Chimiche, Universita degli Studi, Camerino (MC), 62032, Italy

Source Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1998), (19), 3325-3334 CODEN: JCDTBI; ISSN: 0300-9246

Document Type Journal

Language English

L8 ANSWER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title Study of the mixed complexes of some rare earths and alkaline earth metals with benzoylacetone and o-phenanthroline

Author/Inventor Hoang, Nham; Le, Chi Kien; Tran, Thanh Tam

Patent Assignee/Corporate Source Dept. Chem., Ha Noi Univ., Vietnam

Source Tap Chi Hoa Hoc (1997), 35(1), 45-48, 52 CODEN: TCHHDC; ISSN: 0378-2336

Document Type
Journal
Language
Vietnamese

L8 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Alkaline earth metal complexes : mixed ligand complexes of alkaline earth metal derivatives of hydroxyquinones with 1,10-phenanthroline
Author/Inventor
Prakash, D.; Singh, R. N.; Gupta, O. P.; Singh, J. P.
Patent Assignee/Corporate Source
Department Chemistry, Patna University, Patna, 800 005, India
Source
Oriental Journal of Chemistry (1996), 12(2), 199-202 CODEN: OJCHEG; ISSN: 0970-020X

Document Type
Journal
Language
English

L8 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Synthesis and structural systematics of nitrogen base adducts of Group 2 salts. VIII. Some mixed-ligand complexes of Group 2 metal halides with aromatic N,N'-bidentate and oxygen donors
Author/Inventor
Kepert, David L.; Waters, A. Fiona; White, Allan H.
Patent Assignee/Corporate Source
Dep. Chem., Univ. Western Australia, Nedlands, 6907, Australia
Source
Australian Journal of Chemistry (1996), 49(1), 117-35 CODEN: AJCHAS; ISSN: 0004-9425

Document Type
Journal
Language
English

L8 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Synthesis and structural systematics of nitrogen base adducts of Group 2 salts. VII. Some complexes of Group 2 metal halides with aromatic N,N'-bidentate ligands
Author/Inventor
Skellton, Brian W.; Waters, A. Fiona; White, Allan H.
Patent Assignee/Corporate Source
Dep. Chem., Univ. Western Australia, Nedlands, 6907, Australia
Source
Australian Journal of Chemistry (1996), 49(1), 99-115 CODEN: AJCHAS; ISSN: 0004-9425

Document Type
Journal
Language
English

L8 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
trans-Bis(1,10-phenanthroline)-trans-bis(2,4,6- trinitrophenolato-O,O')calcium(II)
Author/Inventor
Vijayvergiya, V.; Padmanabhan, B.; Singh, T. P.
Patent Assignee/Corporate Source
Dep. Biophysics, Univ. Delhi, New Delhi, 110 021, India
Source
Acta Crystallographica, Section C: Crystal Structure Communications (1995), C51(11), 2235-8 CODEN: ACSCEE; ISSN: 0108-2701

Document Type
Journal
Language
English

L8 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Crystal and molecular structure of mixed-ligand calcium, strontium, and barium complexes with dipivaloylmethane and 1,10-phenanthroline of composition MDpm2Phen2

Author/Inventor

Soboleva, I. E.; Troyanov, S. I.; Kuz'mina, N. P.; Ivanov, V. K.; Martynko, Li. I.; Struchkov, Yu. T.

Patent Assignee/Corporate Source

Moscow State University, Moscow, 119899, Russia

Source

Russian Journal of Coordination Chemistry (Translation of Koordinatsionnaya Khimiya) (1995), 21(9), 658-63 CODEN: RJCCEY; ISSN: 1070-3284

Document Type

Journal

Language

English

L8 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Mixed ligand complexes of alkaline earth metal derivatives of hydroxyquinones with 1,10-phenanthroline and 2,2'-bipyridyl

Author/Inventor

Prakash, D.; Verma, R. L.; Gupta, O.P.

Patent Assignee/Corporate Source

Dep. Chem., Patna Univ., Patna, 800 005, India

Source

Acta Ciencia Indica, Chemistry (1992), 18(2), 169-72 CODEN: ACICDV; ISSN: 0253-7338

Document Type

Journal

Language

English

L8 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Metal complex for thin film formation

Author/Inventor

Okazaki, Takashi; Tokutome, Koichi; Nakai, Shuichi

Patent Assignee/Corporate Source

Tosoh Akzo Corp., Japan

Source

Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

Document Type

Patent

Language

Japanese

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04257592	A	19920911	JP 1991-102191	19910207

Patent Number (1)

JP 04257592

Kind Code (1)

A

Patent Publication Date (1)

19920911

Application Number (1)

JP 1991-102191

Application Date (1)

19910207

Priority Patent Number (1)

JP 1991-102191

Priority Patent Publication Date (1)

19910207

L8 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Preparation of 1,10-phenanthrolines and their salts and complexes as pesticides

Author/Inventor

Heinemann, Ulrich; Steinbeck, Karl; Berg, Dieter; Haenssler, Gerd; Reinecke, Paul; Brandes, Wilhelm; Dutzmann, Stefan

Patent Assignee/Corporate Source

Bayer A.-G., Fed. Rep. Ger.

Source

Ger. Offen., 55 pp. CODEN: GWXXBX

Document Type

Patent

Language

German

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3709263	A1	19880929	DE 1987-3709263	19870320

Patent Number (1)

DE 3709263

Kind Code (1)

A1

Patent Publication Date (1)

19880929

Application Number (1)

DE 1987-3709263

Application Date (1)

19870320

Priority Patent Number (1)

DE 1987-3709263

Priority Kind Code (1)

A

Priority Patent Publication Date (1)

19870320

L8 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Ligand structure and complexation, XLVIII. Alkali and alkaline earth metal ion complexes of bipyridine, phenanthroline and terpyridine

Author/Inventor

Voegtli, Fritz; Mueller, Walter M.; Raschofer, Werner

Patent Assignee/Corporate Source

Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300, Fed. Rep. Ger.

Source

Israel Journal of Chemistry (1980), Volume Date 1979, 18(3-4), 246-8 CODEN: ISJCAT; ISSN: 0021-2148

Document Type

Journal

Language

English

L8 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Products of the addition of phenanthroline and dipirydil to magnesium and alkaline earth metal thio- and selenocyanates

Author/Inventor

Savitskii, V. N.; Skopenko, V. V.

Patent Assignee/Corporate Source

Kiev. Gos. Univ. im. Shevchenko, Kiev, USSR

Source

Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1975), 41(10), 1038-42 CODEN: UKZHAU; ISSN: 0041-6045

Document Type

Journal

Language

Russian

L8 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Complexes of thallium(I), lead(II), and calcium hexafluoroacetates with nitrogen containing ligands

Author/Inventor

Fenton, David E.; Newman, Roger

Patent Assignee/Corporate Source

Agric. Res. Coun. Unit Struct. Chem., Univ. Coll., London, UK

Source

Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1974), (6), 655-7 CODEN: JCDBI; ISSN: 0300-9246

Document Type

Journal

Language

English

L8 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Organometallic chemistry of the alkaline earth metals. I. Chemical and spectroscopic properties of dicyclopentadienylcalcium

Author/Inventor

Allan, K. A.; Gowenlock, B. G.; Lindsell, W. E.

Patent Assignee/Corporate Source
Chem. Dep., Heriot-Watt Univ., Edinburgh, UK
Source
Journal of Organometallic Chemistry (1973), 55(2), 229-35 CODEN: JORCAI; ISSN: 0022-328X
Document Type
Journal
Language
English

L8 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Crystal field aspects of vibrational spectra. IV. Effect of d-orbital splitting on the infrared spectra of transition metal(II) complexes of cis-chelating bidentate ligands
Author/Inventor
Percy, G. C.; Thornton, D. A.
Patent Assignee/Corporate Source
Dep. Chem., Univ. Cape Town, Rondebosch, S. Afr.
Source
Journal of Molecular Structure (1971), 10(1), 39-48 CODEN: JMOSB4; ISSN: 0022-2860
Document Type
Journal
Language
English

L8 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
The proton magnetic resonance spectra of o-phenanthroline and some of its metal complexes
Author/Inventor
Miller, J. D.; Prince, R. H.
Patent Assignee/Corporate Source
Univ. Chem. Lab., Cambridge, UK
Source
Journal of the Chemical Society (1965), (May), 3185-94 CODEN: JCSOA9; ISSN: 0368-1769
Document Type
Journal
Language
English

L8 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Spin-echo N.M.R. studies of chemical exchange. IV. Intra-molecular exchange of a coupled AB system
Author/Inventor
Allerhand, Adam; Gutowsky, H. S.
Patent Assignee/Corporate Source
Univ. of Illinois, Urbana
Source
Journal of Chemical Physics (1965), 42(12), 4203-12 CODEN: JCPSA6; ISSN: 0021-9606
Document Type
Journal
Language
English

L8 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Triplet state E.S.R. of metal chelate compounds
Author/Inventor
Brown, I. M.; Weissman, S. I.; Snyder, L. C.
Patent Assignee/Corporate Source
Argonne Natl. Lab., Argonne, IL
Source
Journal of Chemical Physics (1965), 42(3), 1105-11 CODEN: JCPSA6; ISSN: 0021-9606
Document Type
Journal
Language
English

L8 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Reactions of calcium with organonitrogen compounds and aromatic hydrocarbons

Author/Inventor
 Ulke, Allen R.; Sanderson, R. T.
 Patent Assignee/Corporate Source
 Univ. of Iowa, Iowa City
 Source
 Journal of Organic Chemistry (1964), 29(5), 1261-4 CODEN: JOCEAH; ISSN: 0022-3263
 Document Type
 Journal
 Language
 Unavailable

L8 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
 Infrared spectra of 1,10-phenanthroline metal complexes in the rock salt region below 2000 cm.⁻¹
 Author/Inventor
 Schilt, A. A.; Taylor, R. C.
 Patent Assignee/Corporate Source
 Univ. of Michigan, Ann Arbor
 Source
 Journal of Inorganic and Nuclear Chemistry (1959), 9, 211-21 CODEN: JINCAO; ISSN: 0022-1902
 Document Type
 Journal
 Language
 Unavailable

L8 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

Title
 Preparation and properties of a new pentacyanomanganeselenic oxide anion, [Mn(CN)5NO]⁻, and some observations on other pentacyanonitrosyl complexes
 Author/Inventor
 Cotton, F. A.; Monchamp, R. R.; Henry, R. J. M.; Young, R. C.
 Patent Assignee/Corporate Source
 Massachusetts Inst. of Technol., Cambridge
 Source
 Journal of Inorganic and Nuclear Chemistry (1959), 10, 26-38 CODEN: JINCAO; ISSN: 0022-1902
 Document Type
 Journal
 Language
 Unavailable

```

-> s calcium and electrolumin?
      889213 CALCIUM
        38 CALCIUMS
      889217 CALCIUM
        {CALCIUM OR CALCIUMS}
      86496 ELECTROLUMIN?
L9      3392 CALCIUM AND ELECTROLUMIN?

-> s L9 and complex
      1442032 COMPLEX
      787380 COMPLEXES
      1753517 COMPLEX
        {COMPLEX OR COMPLEXES}
L10      197 L9 AND COMPLEX

-> s L10 and py<=2003
      24009846 PY<=2003
L11      87 L10 AND PY<=2003

-> s ca complex
      789621 CA
      13939 CAS
      801424 CA
        {CA OR CAS}
      1442032 COMPLEX
      787380 COMPLEXES
      1753517 COMPLEX
        {COMPLEX OR COMPLEXES}
L12      994 CA COMPLEX
        {CA (W) COMPLEX}

```

```
=> s calcium/cn
  Registry INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or PHITSTR) to directly view retrieved structures.
```

```
L14      413128 L13
```

```
=> s l14 and electrolumin?
      86496 ELECTROLUMIN?
L15      1549 L14 AND ELECTROLUMIN?
=>
```



```
ring nodes :
```

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
```

```
ring bonds :
```

```
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 6-15 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14 14-15
```

```
exact/norm bonds :
```

```
6-15 14-15
```

```
normalized bonds :
```

```
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 9-11 10-14 11-12 12-13 13-14
```

```
G1:Ba,Ca,Mg,Sr
```

```
Match level :
```

```
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom
  15:Atom
```

```
L16      STRUCTURE UPLOADED
```

```
=> s l16 sss full
FULL SEARCH INITIATED 09:59:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      351 TO ITERATE
```

```
100.0% PROCESSED      351 ITERATIONS
SEARCH TIME: 00.00.01
```

```
259 ANSWERS
```

```
L17      259 SEA SSS FUL L16
```

=> d his

(FILE 'HOME' ENTERED AT 09:35:48 ON 23 OCT 2008)

FILE 'CAPLUS' ENTERED AT 09:36:02 ON 23 OCT 2008

FILE 'REGISTRY' ENTERED AT 09:36:13 ON 23 OCT 2008

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 0 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 73 S L4 SSS FULL
L6 0 S L5 AND PY<-2003

FILE 'CAPLUS' ENTERED AT 09:39:08 ON 23 OCT 2008

L7 41 S L5
L8 28 S L7 AND PY<-2003
L9 3392 S CALCIUM AND ELECTROLUMIN?
L10 197 S L9 AND COMPLEX
L11 87 S L10 AND PY<-2003
L12 994 S CA COMPLEX
S CALCIUM/CN

FILE 'REGISTRY' ENTERED AT 09:55:20 ON 23 OCT 2008

L13 1 S CALCIUM/CN

FILE 'CAPLUS' ENTERED AT 09:55:20 ON 23 OCT 2008

L14 413128 S L13

FILE 'CAPLUS' ENTERED AT 09:55:28 ON 23 OCT 2008

L15 1549 S L14 AND ELECTROLUMIN?

FILE 'REGISTRY' ENTERED AT 09:58:51 ON 23 OCT 2008

L16 STRUCTURE UPLOADED
L17 259 S L16 SSS FULL

=> s l17

L18 118 L17

=> d his

(FILE 'HOME' ENTERED AT 09:35:48 ON 23 OCT 2008)

FILE 'CAPLUS' ENTERED AT 09:36:02 ON 23 OCT 2008

FILE 'REGISTRY' ENTERED AT 09:36:13 ON 23 OCT 2008

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 0 S L1 SSS FULL
L4 STRUCTURE UPLOADED
L5 73 S L4 SSS FULL
L6 0 S L5 AND PY<-2003

FILE 'CAPLUS' ENTERED AT 09:39:08 ON 23 OCT 2008

L7 41 S L5
L8 28 S L7 AND PY<-2003
L9 3392 S CALCIUM AND ELECTROLUMIN?
L10 197 S L9 AND COMPLEX
L11 87 S L10 AND PY<-2003
L12 994 S CA COMPLEX
S CALCIUM/CN

FILE 'REGISTRY' ENTERED AT 09:55:20 ON 23 OCT 2008

L13 1 S CALCIUM/CN

FILE 'CAPLUS' ENTERED AT 09:55:20 ON 23 OCT 2008

L14 413128 S L13

FILE 'CAPLUS' ENTERED AT 09:55:28 ON 23 OCT 2008

L15 1549 S L14 AND ELECTROLUMIN?

FILE 'REGISTRY' ENTERED AT 09:58:51 ON 23 OCT 2008

L16 STRUCTURE UPLOADED
L17 259 S L16 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:59:40 ON 23 OCT 2008

L18 118 S L17

-> s 118 not L7

L19 77 L18 NOT L7

-> s 119 and patent/dt

6408773 PATENT/DT

L20 8 L19 AND PATENT/DT

=> d 120 1-8 ibib hitstr

L20 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Chemical vapor deposition process for fabricating layered superlattice materials

Author/Inventor

Uchiyama, Kiyoshi; Solayappan, Narayan; Paz de Araujo, Carlos A.

Patent Assignee/Corporate Source

Symetrix Corporation, USA; Matsushita Electronics Corporation

Source

PCT Int. Appl., 38 pp. CODEN: PIXXD2

Document Type

Patent

Language

English

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001066834	A2	20010913	WO 2001-US5572	20010221

Patent Number (1)

WO 2001066834

Kind Code (1)

A2

Patent Publication Date (1)

20010913

Application Number (1)

WO 2001-US5572

Application Date (1)

20010221

Priority Patent Number (1)

US 2000-521094

Priority Kind Code (1)

A

Priority Patent Publication Date (1)

20000307

L20 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Method and apparatus for preparing integrated circuit thin films by chemical vapor deposition

Author/Inventor

Pazde, Araujo Carlos A.; McMillan, Larry D.; Solayappan, Narayan; Bacon, Jeffrey W.

Patent Assignee/Corporate Source

Symetrix Corporation, USA

Source

U.S., 24 pp., Cont.-in-part of U.S. Ser. No. 653,079, abandoned. CODEN: USXXAM

Document Type

Patent

Language

English

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6110531	A	20000829	US 1997-892485	19970714

Patent Number (1)

US 6110531

Kind Code (1)

A

Patent Publication Date (1)

20000829

Application Number (1)

US 1997-892485

Application Date (1)

19970714
Priority Patent Number (1)
US 1991-660428
Priority Kind Code (1)
B2
Priority Patent Publication Date (1)
19910225

L20 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title
CVD (chemical vapor deposition) apparatus for forming film on long tape substrate
Author/Inventor
Onabe, Kazunori; Sadakata, Nobuyuki; Saito, Takashi; Nagaya, Shigeo
Patent Assignee/Corporate Source
Fujikura Ltd., Japan; Chubu Electric Power Co., Inc.

Source
Jpn. Kokai Tokkyo Koho, 12 pp. CODEN: JKXXAF

Document Type
Patent

Language
Japanese

Patent Information				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11329117	A	19991130	JP 1998-130830	19980513

Patent Number (1)
JP 11329117
Kind Code (1)
A
Patent Publication Date (1)
19991130
Application Number (1)
JP 1998-130830
Application Date (1)
19980513
Priority Patent Number (1)
JP 1998-130830
Priority Patent Publication Date (1)
19980513

L20 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Apparatus and method for manufacture of oxide ceramic superconductor tape by CVD
Author/Inventor
Onabe, Kazunori; Sadakata, Nobuyuki; Saito, Takashi; Nagaya, Shigeo
Patent Assignee/Corporate Source
Fujikura Ltd., Japan; Chubu Electric Power Co., Inc.

Source
Jpn. Kokai Tokkyo Koho, 17 pp. CODEN: JKXXAF

Document Type
Patent

Language
Japanese

Patent Information				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11329116	A	19991130	JP 1998-130829	19980513

Patent Number (1)
JP 11329116
Kind Code (1)
A
Patent Publication Date (1)
19991130
Application Number (1)
JP 1998-130829
Application Date (1)
19980513
Priority Patent Number (1)
JP 1998-130829
Priority Patent Publication Date (1)
19980513

L20 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Apparatus and method for manufacture of composite oxide thin films by metalorganic chemical vapor deposition

Author/Inventor

Takeshima, Hiroshi

Patent Assignee/Corporate Source

Murata Mfg. Co., Ltd., Japan

Source

Jpn. Kokai Tokkyo Koho, 8 pp. CODEN: JKXXAF

Document Type

Patent

Language

Japanese

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11172437	A	19990629	JP 1997-362757	19971212

Patent Number (1)

JP 11172437

Kind Code (1)

A

Patent Publication Date (1)

19990629

Application Number (1)

JP 1997-362757

Application Date (1)

19971212

Priority Patent Number (1)

JP 1997-362757

Priority Patent Publication Date (1)

19971212

L20 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Thin-film electric capacitor including perovskite-type oxide and its manufacture

Author/Inventor

Takeshima, Yutaka

Patent Assignee/Corporate Source

Murata Manufacturing Co., Japan

Source

Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF

Document Type

Patent

Language

Japanese

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08330186	A	19961213	JP 1995-134061	19950531

Patent Number (1)

JP 08330186

Kind Code (1)

A

Patent Publication Date (1)

19961213

Application Number (1)

JP 1995-134061

Application Date (1)

19950531

Priority Patent Number (1)

JP 1995-134061

Priority Patent Publication Date (1)

19950531

L20 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Stable alkaline earth metal complex for oxide thin film manufacture

Author/Inventor

Okazaki, Takashi; Tokutome, Koichi

Patent Assignee/Corporate Source

Tosoo Akuzo Kk, Japan

Source

Jpn. Kokai Tokkyo Koho, 8 pp. CODEN: JKXXAF

Document Type

Patent

Language

Japanese

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05098444	A	19930420	JP 1991-324969	19911008

Patent Number (1)

JP 05098444

Kind Code (1)

A

Patent Publication Date (1)

19930420

Application Number (1)

JP 1991-324969

Application Date (1)

19911008

Priority Patent Number (1)

JP 1991-324969

Priority Patent Publication Date (1)

19911008

L20 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Acetylacetone metal complex for manufacture of oxide thin film

Author/Inventor

Okazaki, Takashi; Tokutome, Koichi; Harada, Takeaki; Baba, Yasunari

Patent Assignee/Corporate Source

Tosoo Akuzo Kk, Japan

Source

Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF

Document Type

Patent

Language

Japanese

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05106045	A	19930427	JP 1991-332969	19911017

Patent Number (1)

JP 05106045

Kind Code (1)

A

Patent Publication Date (1)

19930427

Application Number (1)

JP 1991-332969

Application Date (1)

19911017

Priority Patent Number (1)

JP 1991-332969

Priority Patent Publication Date (1)

19911017

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

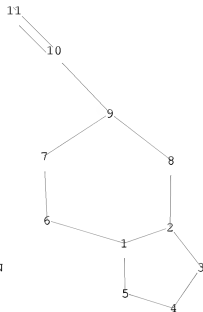
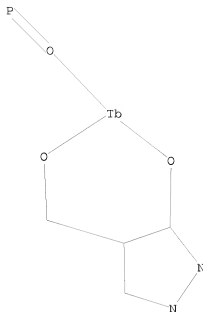
LOGINID:SSPTAMEN1774

PASSWORD:

TERMINAL {ENTER 1, 2, 3, OR ?}:2

***** Welcome to STN International *****

=>



chain nodes :

10 11

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

9-10 10-11

ring bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9

exact/norm bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9 10-11

exact bonds :

9-10

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS

L1 STRUCTURE UPLOADED

=> \$ 11 sss sam

SAMPLE SEARCH INITIATED 13:11:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

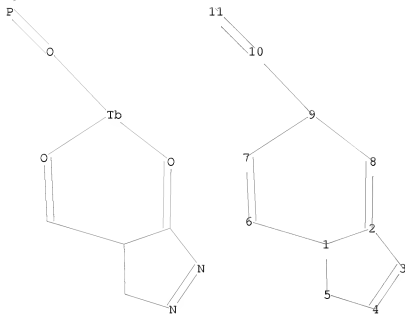
BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163
 PROJECTED ANSWERS: 0 TO 0
 L2 0 SEA SSS SAM L1
 => s 11 sss full
 FULL SEARCH INITIATED 13:11:58 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 137 TO ITERATE

100.0% PROCESSED 137 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>



chain nodes :

10 11

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

9-10 10-11

ring bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9

exact/norm bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9 10-11

exact bonds :

9-10

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS

L4 STRUCTURE UPLOADED

=> s 14 sss sam
SAMPLE SEARCH INITIATED 13:14:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 sss full
FULL SEARCH INITIATED 13:14:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 137 TO ITERATE

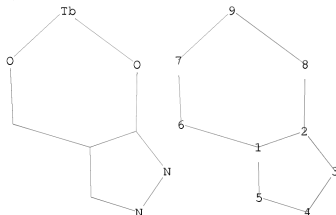
100.0% PROCESSED 137 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=>



ring nodes :

1 2 3 4 5 6 7 8 9

ring bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9

exact/norm bonds :

1-2 1-5 1-6 2-3 2-8 3-4 4-5 6-7 7-9 8-9

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom

L7 STRUCTURE UPLOADED

=> s 17 sss sam
SAMPLE SEARCH INITIATED 13:16:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 63 TO ITERATE

100.0% PROCESSED 63 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 784 TO 1736
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s l7 sss full

FULL SEARCH INITIATED 13:16:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1350 TO ITERATE

100.0% PROCESSED 1350 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L9 0 SEA SSS FUL L7

=> e W00079616/pn

E1 1 W07901169/PN
E2 1 W07901170/PN
E3 0 --> W079616/PN
E4 1 W08000001/PN
E5 1 W08000009/PN
E6 2 W08000010/PN
E7 1 W08000012/PN
E8 1 W08000013/PN
E9 1 W08000014/PN
E10 1 W08000021/PN
E11 2 W08000022/PN
E12 1 W08000023/PN

=> e W0200079616/pn

E1 1 W02000079614/PN
E2 1 W02000079615/PN
E3 1 --> W02000079616/PN
E4 1 W02000079617/PN
E5 1 W02000079618/PN
E6 1 W02000079619/PN
E7 1 W02000079620/PN
E8 1 W02000079621/PN
E9 1 W02000079622/PN
E10 1 W02000079623/PN
E11 1 W02000079624/PN
E12 1 W02000079625/PN

=> s e3

L10 1 W02000079616/PN
(W02000079616/PN)

=> d l10 all

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Fiat panel display with improved contrast

Author/Inventor

Salata, Oleg Victorovich; Renault, Olivier; Christou, Victor

Patent Assignee/Corporate Source

Isis Innovation Limited, UK

Source

PCT Int. Appl., 23 pp. CODEN: PIXXD2

Document Type

Patent

Language

English

Concept or Classification

74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes) Section cross-reference(s): 76

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000079616	A1	20001228	WO 2000-GB2377	20000619

Patent Number (1)

WO 2000079616

Kind Code (1)

A1
Patent Publication Date (1)
20001228
Application Number (1)
WO 2000-GB2377
Application Date (1)
20000619
Priority Patent Number (1)
GB 1999-14372
Priority Kind Code (1)
A
Priority Patent Publication Date (1)
19990618

Abstract

The invention relates to a non-reflective electrode which can be used in a flat-panel display. A light emitting device is described which comprises a transparent substrate layer, a transparent electrode layer, a light emitting layer and a back electrode which is as a layer of C.

=> s terbium
42088 TERBIUM
1 TERBIUMS
L11 42088 TERBIUM
(TERBIUM OR TERBIUMS)

=> s pyrazolo?
L12 24115 PYRAZOLO?

=> s l11 and l12
L13 84 L11 AND L12

=> s l13 and electrolumin?
86496 ELECTROLUMIN?
L14 9 L13 AND ELECTROLUMIN?

=> d l14 1-9 ibib

L14 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title The Effect of Different Neutral Ligands on Photoluminescence and Electroluminescence Properties of Ternary Terbium Complexes
Author/Inventor Xin, Hao; Shi, Mei; Gao, Xi Cun; Huang, Yan Yi; Gong, Ze Liang; Nie, Dao Bo; Cao, Hong; Bian, Zu Qiang; Li, Fu You; Huang, Chun Hui
Patent Assignee/Corporate Source State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
Source Journal of Physical Chemistry B (2004), 108(30), 10796-10800 CODEN: JPCBFK; ISSN: 1520-6106
Document Type Journal
Language English

L14 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title Carrier-Transport, Photoluminescence, and Electroluminescence Properties Comparison of a Series of Terbium Complexes with Different Structures
Author/Inventor Xin, Hao; Shi, Mei; Zhang, Xiao Mei; Li, Fu You; Bian, Zu Qiang; Ibrahim, K.; Liu, Feng Qin; Huang, Chun Hui
Patent Assignee/Corporate Source State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
Source Chemistry of Materials (2003), 15(19), 3728-3733 CODEN: CMATEX; ISSN: 0897-4756
Document Type Journal
Language English

L14 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title Efficient Electroluminescence from a New Terbium Complex
Author/Inventor Xin, Hao; Li, Fu You; Shi, Mei; Bian, Zu Qiang; Huang, Chun Hui

Patent Assignee/Corporate Source
State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China

Source
Journal of the American Chemical Society (2003), 125(24), 7166-7167 CODEN: JACSAT; ISSN: 0002-7863

Document Type
Journal

Language
English

L14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Photoluminescence and electroluminescence of the exciplex formed between a terbium ternary complex and N,N'-diphenyl-N,N'-bis(3-methylphenyl)-1,1'-diphenyl-4,4'-diamine

Author/Inventor
Xin, H.; Guang, M.; Li, F. Y.; Bian, Z. Q.; Huang, C. H.; Ibrahim, K.; Liu, F. Q.

Patent Assignee/Corporate Source
State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China

Source
Physical Chemistry Chemical Physics (2002), 4(23), 5895-5898 CODEN: PPCPFQ; ISSN: 1463-9076

Document Type
Journal

Language
English

L14 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Excited State Dynamics of Organo-Lanthanide Electroluminescent Phosphors: the Properties of Tb(tb-pmp)₃ and Gd(tb-pmp)₃

Author/Inventor
Thorne, J. R. G.; Rey, J. M.; Denning, R. G.; Watkins, S. E.; Etchells, M.; Green, M.; Christou, V.

Patent Assignee/Corporate Source
Department of Chemistry, University of Oxford, Inorganic Chemistry Laboratory, Oxford, OX1 3QR, UK

Source
Journal of Physical Chemistry A (2002), 106(16), 4014-4021 CODEN: JPCAFH; ISSN: 1089-5639

Document Type
Journal

Language
English

L14 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title
Pyrazolone lanthanide complexes and their preparation and light-emitting devices using them

Author/Inventor
Pillow, Jonathan Nigel Gerard; Christou, Victor; Etchells, Mark; Mosley, Alain

Patent Assignee/Corporate Source
Isis Innovation Limited, UK

Source
PCT Int. Appl., 26 pp. CODEN: PIXXD2

Document Type
Patent

Language
English

Patent Information

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020692	A1	20020314	WO 2001-GB4019	20010907

Patent Number (1)

WO 2002020692

Kind Code (1)

A1

Patent Publication Date (1)

20020314

Application Number (1)

WO 2001-GB4019

Application Date (1)

20010907

Priority Patent Number (1)

GB 2000-22081

Priority Kind Code (1)

A

Priority Patent Publication Date (1)

20000908

L14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Efficient single layer organic light emitting diodes based on a terbium pyrazolone complex

Author/Inventor

Moon, D. G.; Salata, O. V.; Etchells, M.; Dobson, P. J.; Christou, V.

Patent Assignee/Corporate Source

Department of Materials, University of Oxford, Oxford, Yarnton, OX5 1PF, UK

Source

Synthetic Metals (2001), 123(2), 355-357 CODEN: SYMEDZ; ISSN: 0379-6779

Document Type

Journal

Language

English

L14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title

High-efficiency organic electroluminescent devices using an organoterbium emitter

Author/Inventor

Capecchi, Simone; Renault, Olivier; Moon, Dae-Gyu; Halim, Mounir; Etchells, Mark; Dobson, Peter J.; Salata, Oleg V.; Christou, Victor

Patent Assignee/Corporate Source

Department of Engineering Science, University of Oxford, Oxford, OX1 3PJ, UK

Source

Advanced Materials (Weinheim, Germany) (2000), 12(21), 1591-1594 CODEN: ADVMEW; ISSN: 0935-9648

Document Type

Journal

Language

English

L14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

Title

Photoluminescence and electroluminescence of a series of terbium complexes

Author/Inventor

Gao, Xi-Cun; Cao, Hong; Huang, Chun-Hui; Umitani, Shigeo; Chen, Guang-Qiang; Jiang, Peng

Patent Assignee/Corporate Source

State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 10087, Peop. Rep. China

Source

Synthetic Metals (1999), 99(2), 127-132 CODEN: SYMEDZ; ISSN: 0379-6779

Document Type

Journal

Language

English

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